

ABSTRACT OF THE DISCLOSURE

An anti-reflection film that is an optical film, at least has a hard coat layer, and a low-refractive-index layer containing a binder polymer, on a transparent support, wherein said hard coat layer and/or said low-refractive-index layer contains: (a) a hydrolysate of an organosilane in which a hydroxyl group or a hydrolysable group is directly bonded to silicon, and/or a partial condensation product thereof; and (b) at least one metal chelate compound of an alkylalcohol, and a compound of $R^4COCH_2COR^5$, in which R^4 is an alkyl group, and R^5 is an alkyl or alkoxy group, as ligands, and a metal selected from Zr, Ti and Al, as a central metal.

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